



PATENT APPLICATION

Attorney Docket No.: 15-815

Client: 4480

Applicant(s):

Title: BACK LIT CHOLESTERIC LIQUID CRISTAL DISPLAYSerial No.: 09/961,441, Filed: 9-24-01, Patent No.: _____Mailing Date: 12-11-01, Initials: pac

Receipt is hereby acknowledged of the following:

- ☐ Transmittal (____ pages)
- ☐ Provisional Application for Patent Cover Sheet
- ☐ Request for Filing a Patent Application under 37 CFR 1.53 (b) (____ pages)
- ☐ Request for Filing a Patent Application under 37 CFR 1.53 (d) (____ pages)
- ☐ Patent Application (____ total pages)
- ☐ Provisional, ☐ New Nonprovisional, ☐ Continuation, ☐ Divisional, ☐ ~~TRADEMARK~~
- ☐ PCT, ☐ _____
- ____ cover page
- ____ pages of specification
- ____ pages of ____ number of claims
- ____ pages of abstract
- ☐ Drawings (____ sheets)
- ☐ Declaration(s) with Power of Attorney (____ pages)
- ☐ Check(s) in Amount of \$ _____
- \$ _____
- ☐ Assignment(s) (____ pages)
- ☐ Assignment Cover Sheet(s) (____ pages)
- ☐ Small Entity Statement (____ pages)
- ☐ Number of Priority Document(s) _____
- ☐ Response to Notice to File Missing Parts (____ pages)
- ☐ Copy of Notice to File Missing Parts Form PTO-1533
- ☒ Information Disclosure Statement (1 pages)
- ☒ PTO Form 1449 (2 pages)
- ☒ 36 Number of Documents
- ☐ Petition for a ____ Month Extension of Time
- ☐ Preliminary Amendment (____ pages)
- ☐ Amendment (____ pages)
- ☐ Notice of Appeal (____ pages)
- ☐ Appeal Brief in Triplicate (____ pages each)
- ☐ Issue Fee Transmittal PTOL-85B & Copy
- ☐ Maintenance Fee Transmittal (____ pages)
- ☐ Request for Continued Examination

☐☐☐



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Asad A. Khan et al.

Serial No.: 09/961,441

Group Art Unit: 2871

Filed: September 24, 2001

Examiner: N/A

For: BACK LIT CHOLESTERIC LIQUID CRYSTAL DISPLAY

Docket: 15-875

Watts, Hoffmann, Fisher
& Heinke Co., L.P.A.
P.O. Box 99839
Cleveland, Ohio 44199-0839

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. § 1.56, applicants submit herewith information of which they are aware that may be considered material by the Examiner in determining the patentability of this application.

In accordance with 37 C.F.R. § 1.98(a)(1), copies of the following patents and publications are being submitted for consideration by the office and are listed on the attached form PTO-1449. Should any fees be required in connection with this Information Disclosure Statement, please charge Deposit Account No. 23-0630.

Respectfully submitted,

Date: 12/9/01

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Assistant Commissioner of Patents, Washington, D.C. 20231

12-11-01

BY:

Patricia N. Cannon

USPTO Form 1449
(modified)U.S. DEPT. OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

Sheet 1 of 2

Attorney Docket No.: 15-875

Serial No.: 09/961,441

Applicant: Michael E. Stefanov et al.

Filing Date: September 24, 2001

Group: 2871

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	5,847,798	12-08-98	Yang et al.			
	5,920,368	07-06-99	Hatano et al.			
	5,956,113	09-21-99	Crawford			
	6,122,024	09-19-00	Molsen et al.			
	5,796,454	08-18-98	Ma			
	6,023,316	02-08-00	Yano			
	6,104,455	08-15-00	Kashima			
	6,064,455	05-16-00	Kim			
	5,608,553	03-04-97	Kim			
	6,164,790	12-26-00	Lee			
	5,673,128	09-30-97	Ohta et al.			
	5,677,746	10-14-97	Yano			
	5,764,322	06-09-98	Mamiya et al.			
	5,844,540	12-01-98	Terasaki			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	A. Khan et al., P-49: <i>Characterization of the Helical-Axis Distribution in Reflective Cholesteric LCD's</i> , Proc. of SID 96, 607 (1996).
	B. Taheri et al, 5.3: <i>Optical Properties of Bistable Cholesteric Reflective Displays</i> , Proc. of SID 96, 39 (1996).
	X.-Y. Huang et al., LP-1: <i>Late-News Poster: Gray Scale of Bistable Reflective Cholesteric Displays</i> , Proc. of SID 98, 810 (1998).
	D.-K. Yang et al., 40.1: <i>Invited Address: Cholesteric Liquid-Crystal/Polymer-Gel Dispersions: Reflective Display Applications</i> , Proc. of SID 92, 759 (1992).
	D.-K Yang et al., <i>Cholesteric Liquid Crystal/Polymer Gel Dispersion Bistable At Zero Field</i> , IDRC 1991, 49 (1991).
	M. Schadt et al., <i>Surface-Induced Parallel Alignment of Liquid Crystals by Linearly Polymerized Photopolymers</i> , Jpn. J. Appl. Phys. Vol. 3, pp. 2155-2164 (July 1992).
	L. Schlangen et al., <i>Electro-Optics of Reflective Bistable Chiral Nematic Liquid Crystal Displays: Temperature, Cellgap and Polyimide Thickness Dependence</i> , Proc. of Asia Display 98, 123 (1998).
	J. Doane et al., <i>S3-6 Front-Lit Flat Panel Display from Polymer Stabilized C holesteric Textures</i> , Japan Display '92, 73 (1992).

XAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609
Draw Line through citation if not in conformance and not considered.
Include copy of this form with next communication to Applicant

**Copies of references not provided at the time of this submission.

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INFORMATION DISCLOSURE CITATION

Sheet 2 of 2

Attorney Docket No.: 15-875

Serial No.: 09/961,441

Applicant: Michael E. Stefanov et al.

Filing Date: September 24, 2001

Group: 2871

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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